

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

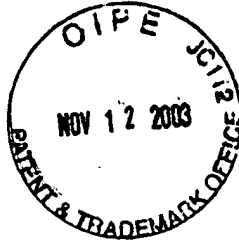
In re Patent Application of

BARNES et al.

Serial No. 10/648,349

Filed: August 27, 2003

For: GENERATOR ROTOR FRETTING FATIGUE CRACK  
REPAIR



Atty. Ref.: 839-1434

Group: unknown

Examiner: Unknown

\* \* \* \* \*

November 12, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**LETTER**

Attached herewith is the executed Exclusive Substitute Power of Attorney for the  
above identified application.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By: \_\_\_\_\_

A handwritten signature in cursive script, appearing to read "Michael J. Keenan", written over a horizontal line.

Michael J. Keenan

Reg. No. 32,106

MJK:ljb  
1100 North Glebe Road, 8th Floor  
Arlington, VA 22201-4714  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100

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Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**EXCLUSIVE SUBSTITUTE POWER OF ATTORNEY  
AND EXCLUSIVE PROSECUTION HEREAFTER BY  
ASSIGNEE UNDER 37 C.F.R. §§ 1.36, 3.71 AND 3.73**

The undersigned being the owner of all right, title and interest in the above-identified patent application, hereby revokes all previous powers of attorney in this case, if any, and hereby appoints the attorneys of **Customer Number 30024** individually and collectively its attorneys to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith, and with the resulting patent.

I also authorize Nixon & Vanderhye to act and rely solely on instructions communicated from the person, attorney, firm or other organization sending instructions to Nixon & Vanderhye on behalf of the owner.

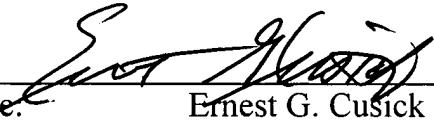
**Certificate Under 37 C.F.R. §3.73(b)**

I hereby certify that General Electric Company of 1 River Road, Schenectady, NY 12345 is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors to the aforesaid assignee, a copy of the assignment being attached.

I have reviewed the documents in the chain of title of the patent application identified above, and to the best of my knowledge and belief, title is in the aforesaid assignee for which I am empowered to act in this matter.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**GENERAL ELECTRIC COMPANY**

11/7/2003 By:   
Date Name: Ernest G. Cusick  
Title: Patent Counsel

**ASSIGNMENT**

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which we acknowledge receipt, we, Gary R. Barnes, Sairam Sundaram, Mandar K. Chati, Alexander G. Beckford, Ronald J. Zawoysky, and Srikanth Akkaram of 6693 Skyline Drive, Delanson, New York 12053; 31 Woodlake Rd., Apt. 1, Albany, New York 12203; 1187 Hillside Avenue, Apt. 1B8, Niskayuna, New York 12309; 39 Cartwheel Drive, Scotia, New York 12302; 6 Barcelona Drive, Clifton Park, New York 12065; and 2435 22nd Street, Apt. #3, Troy, New York 12180; hereby sell and assign to General Electric Company, a New York Corporation, having an address at 1 River Road, Schenectady, New York 12345, USA, (hereinafter referred to as "Company"), its successors and assigns our entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by us and described in the application for United States Patent currently entitled GENERATOR ROTOR FRETTING FATIGUE CRACK REPAIR and 132529

☒ signed as of even date,

☐ signed as of \_\_\_\_\_, or

☐ filed on \_\_\_\_\_ having Serial Number \_\_\_\_\_

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, we will communicate to said Company or its representatives or nominees any facts known to us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

Gary R Barnes

Gary R. Barnes

AUGUST 15, 2003

Date

Witnessed by:

Name:

Lawrence L. Sowers

Date:

8/15/03

Signature of witness

LAWRENCE L. SOWERS

Printed name of witness

Name:

Mabel S. Yung

Date:

8/15/03

Signature of witness

Mabel S. Yung

Printed name of witness

STATE OF NEW YORK

ss):

COUNTY OF Schenectady

This 15 day of AUGUST, 2003, before me personally came the above-named, Gary R. Barnes, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Donna L. Lull

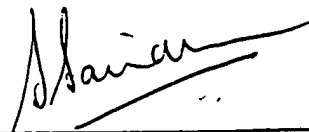
Notary Public

My Commission Expires:

3/4/2006

DONNA L. LULL  
Notary Public, State of New York  
#01LU5056293

Appointed in Schenectady County  
Commission Expires 3/4/2006



Sairam Sundaram

08/12/03

Date

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of witness

Printed name of witness

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of witness

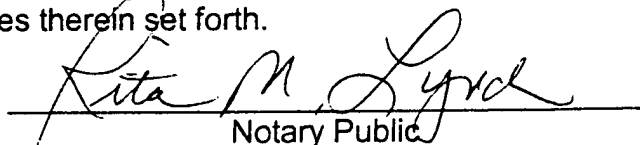
Printed name of witness

STATE OF New York

ss):

COUNTY OF Schenectady

This 12th day of August, 2003, before me personally came the above-named, Sairam Sundaram, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



Notary Public

RITA M. LYNCH  
 Notary Public, State of New York  
 Qual. in Rensselaer Co. No. 0116079768 My Commission Expires: 8/25/12

Mandar K. Chati  
Mandar K. Chati

08/12/03  
Date

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature of witness

Printed name of witness

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature of witness

Printed name of witness

STATE OF New York

ss):

COUNTY OF Schenectady

This 12th day of August, 2003, before me personally came the above-named, Mandar K. Chati, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Rita M. Lynch  
Notary Public

RITA M. LYNCH  
Notary Public, State of New York  
Qual. in Rensselaer Co. No. 01LY6079788  
Commission Expires 8/23/06

My Commission Expires: \_\_\_\_\_

Alexander G. Beckford  
Alexander G. Beckford

8/25/03  
Date

Witnessed by:

Name:

Joseph D. Calabro  
Signature of witness  
Joseph D. CALABRO, Jr.  
Printed name of witness

Date:

8/25/2003

Name:

Joseph W. Compoli  
Signature of witness.  
Joseph W. Compoli  
Printed name of witness

Date:

8/25/2003

STATE OF NEW YORK

ss):

COUNTY OF SCHENECTADY

This 25<sup>th</sup> day of AUGUST, 2003, before me personally came the above-named, Alexander G. Beckford, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public

My Commission Expires:

Notary Public  
Notary Public, State Of New York  
No. 01HA4883639  
Qualified in Saratoga County  
Commission Expires Jan. 20, 2007



Ronald J. Zawoysky 8-8-03  
 Ronald J. Zawoysky Date

Witnessed by:

Name: Walter M. Barton Date: 8-8-03

Signature of witness

WALTER M. BARTON

Printed name of witness

Name: Elo V. Eusebio Date: 8/8/2003

Signature of witness

Elo V. Eusebio

Printed name of witness

STATE OF New York

COUNTY OF Schenectady ss):

This 8<sup>th</sup> day of August, 2003, before me personally came the above-named, Ronald J. Zawoysky, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/~~she~~ executed the same of his/~~her~~ own free will for the purposes therein set forth.

Claudia B. Cuff  
 Notary Public

My Commission Expires: \_\_\_\_\_

CLAUDIA B. CUFF  
 Notary Public in the State of New York  
 Qualified in Schenectady County No. 01CU4727157  
 My Commission Expires March 30, 2006

A. Sri  
Srikanth Akkaram

08/12/03  
Date

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature of witness  
\_\_\_\_\_  
Printed name of witness  
Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature of witness  
\_\_\_\_\_  
Printed name of witness

STATE OF new York

ss):

COUNTY OF Schenectady

This 12<sup>th</sup> day of August, 2003, before me personally came the above-named, Srikanth Akkaram, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

RITA M. LYNCH  
Notary Public, State of New York  
Qual. in Rensselaer Co. No. 01LY6079764  
Commission Expires 8/24/06 Commission Expires: \_\_\_\_\_

Rita M. Lynch  
Notary Public